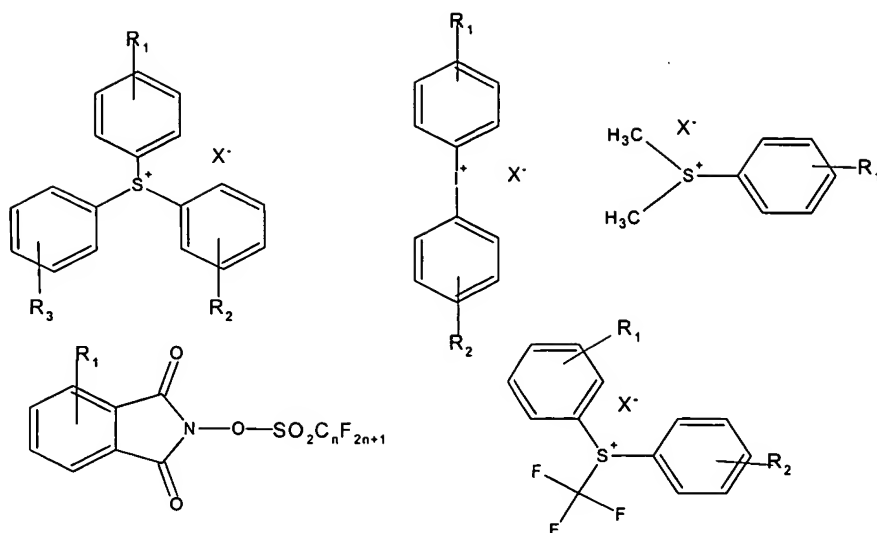


where, in Figure 1,  $R_1$ - $R_7$  are independently H, F,  $(C_1-C_8)$ alkyl,  $(C_1-C_8)$ fluoroalkyl, substituted or unsubstituted hydrocarbyl group, etc., but at least one of  $R_1$ - $R_6$  has the pendant bisester-adamantyl functionality described in structure 1.

**Figure 1: Generic structures for the norbornene-based monomer**



$R_1, R_2, R_3$  are independently alkyl, fluoroalkyl, F,  $OC_nH_{2n+1}$ ,  $OC_nF_{2n+1}$ ,  $CO_2$ -tert-Bu,  $OCH_2-CO_2$ -tert-Bu  $n=1-4$ ,  $OCH_2OCH_3$

$X^-$  = Anion of non-nucleophilic strong acid eg  $^-OSO_2C_nF_{2n+1}$ ;  $AsF_6^-$ ,  $SbF_6^-$ ,  $^-N(SO_2C_nF_{2n+1})_2$ ;  $^-C(SO_2C_nF_{2n+1})_3$

**Figure 2: Examples of Photoactive Compounds**

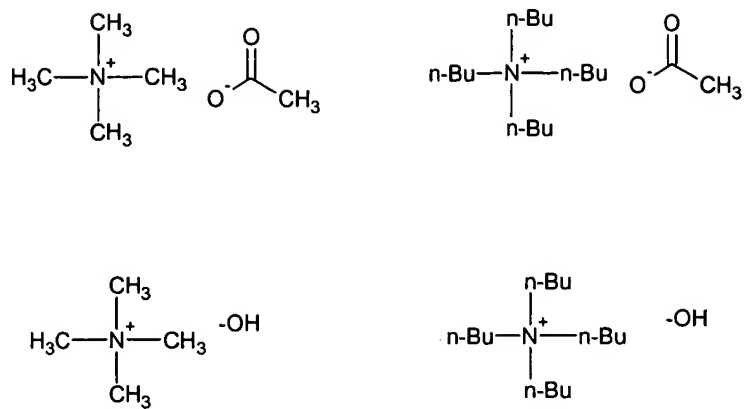


Figure 3: Examples of suitable ammonium bases.